



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
PUNE

CLARIFICATION ON TENDER NUMBER - IISERT-PUR-0113-15

ITEM DESCRIPTION- PROCUREMENT OF ATOMIC FORCE MICROSCOPE

Refer our Press Tender Notice No.IISER/S&P/08/15 dated 4.12.2015 for procurement of Atomic Force Microscope. Tender Reference Number - IISERT-PUR-0113-15.

Pre-Bid meeting was held on December 04th , 2015 at 2.00 PM and minutes of meeting is as under.

At the outset, the Chairman welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the Project and thereafter requested Assistant Registrar (S&P) to brief the vendors on the salient features of the commercial terms and the indenting Officer to read out the clarification sought by the Prospective Bidders and replied thereto as detailed in Annexure -II

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of IISER Pune and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.

The other terms & conditions of the notice issued on our IISER website [www.iiserpune.ac .in](http://www.iiserpune.ac.in) will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with vote of thanks to the Chair

4.12.2015

Sd/-
Assistant Registrar (S&P)



IISER PUNE

PRE-BID CONFERENCE FOR PROCUREMENT OF ATOMIC FORCE MICROSCOPE

TECHNICAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISERT-PUR-0113-15

DATE : 4.12.2015

S.No	Query/Clarification Sought	Clarification / Amendment
1	<p>Page No -25, Chapter 4 Point 1 (heading: Operational modes with AFM)</p> <p>Bidders sought clarification about the precise role of the liquid cell.</p>	<p>Amended Specification is as follows</p> <p>Page No -25, Chapter 4 Point 1 (heading: Operational modes with AFM)</p> <p>Operational modes with AFM: Non-contact, Contact, Intermittent Contact /Tapping Mode/Dynamic Force, Phase Imaging, Lateral Force Microscopy (LFM), Electro Static Force Microscopy (EFM) and Conductive AFM (CAFM).</p> <p>Liquid Imaging for Bio Samples: A suitable Liquid cell to be offered for imaging bio samples in liquid media to do Non-contact, Contact, Intermittent Contact /Tapping Mode/Dynamic Force, Phase Imaging and Lateral Force Microscopy (LFM).</p>

		Appropriate cell/sample holder should be included. Other modes, which come as default modes with the offered instrument should also be mentioned.
2	<p>Page No -25, Chapter 4 Point 2 (heading: Scanners)</p> <p>Suggestion by bidders: Instead of two or more scanners, bidders wanted to include one or more scanners for the range.</p>	<p>Amended Specification is as follows</p> <p>Page No -25, Chapter 4 Point 2 (heading: Scanners)</p> <p>Scanners: The instrument design should allow the use of One or more scanners to cover from large area to smallest possible areas with the best possible resolution as indicated here both in Open and Closed loop:</p> <p>Scan range: Max.50-125 μm^2 to minimum possible scan area of about 500nm. XY lateral noise $\leq 0.05\text{nm}$ (vertical, closed loop), Z scanner max. range: 5-15μm Vertical Z noise $\leq 0.02\text{nm}$ Scanner. The scanners should be with Piezo sensors in all X, Y and Z. The offered scanners must support all imaging modes and during environmental and temperature studies. Scanners should be leak resistant.</p>
3	<p>Page No - 25 , Chapter 4 Point 7</p> <p>Temperature controlled sample holder:</p> <p>Suggestion by one bidder "is it ok if we cover temperature range in single heating stage?"</p>	If the specified temperature range is covered, then single heating stage will comply.
4	<p>Page No - 25 , Chapter 4 Point 8</p> <p>Under Controller Electronics:</p> <p>Suggestion by one bidder "is it ok if we provide slightly and better electronics than tendered specification."</p>	Better specifications than tendered specifications will comply.



IISER PUNE

PRE-BID CONFERENCE FOR PROCUREMENT OF ATOMIC FORCE MICROSCOPE
COMMERCIAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISERT-PUR-0113-15

DATE : 4.12.2015

S.No	Query/Clarification Sought	Clarification / Amendment
	-----NIL-----	-----NIL-----